ThinkPad Helix (2nd Gen) Platform Specifications

Positioning
Convertible with many modes - Tent, Notebook, Stand, Desktop, and Tablet

Processor
5th Generation Intel® Core™ M or Core M vPro™ Processor

Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology
5Y10	2	4	0.8 GHz	2.0 GHz	4MB	LPDDR3-1600	Intel HD graphics 5300	No
5Y70			1.1 GHz	2.6 GHz				Yes
5Y10C			0.8 GHz	2.0 GHz				No
5Y71			1.2 GHz	2.9 GHz				Yes

Graphics
Intel HD Graphics 5300 in processor,
external digital monitor support via micro HDMI, dual independent display;
Max external resolution: 1920x1080 (micro HDMI)@60Hz

Chipset
Intel Core M & Intel Core M vPro

Memory
8GB max / PC3-12800 1600MHz LPDDR3, soldered to systemboard, no sockets

Display
11.6" (295mm) FHD (1920x1080) TFT color,
VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 370 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution

Digitizer Pen
Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required

Storage
M.2 2280 SSD, 128GB or 256GB, 256GB SSD supports OPAL

Optical
None

Ethernet
None

WLAN
11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 Card

Bluetooth™
Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WWAN
Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card

Micro SIM card *(optional)*
One of the following, configurable by model:
- AT&T® or Verizon® LTE (4G), contract required with service provider
- User selectable, contract required with service provider

Smart Card Read
Optional: Smart Card reader

Monitor Cable
Optional: Micro-HDMI to VGA monitor cable

Light sensor
Ambient Light Sensor

G-sensor/ eCompass
3D accelerometer and 3D magnetometer
3D compass, 3D inclinometer

Gyroscope
3D gyrometer

Dimensions
11.6W" WLAN/WWAN: 11.9" x 7.58" x 0.38" (301.1mm x 192.5mm x 9.6mm)
11.6W" SmartCard reader: 11.9" x 7.58" x 0.76" (301.1mm x 192.5mm x 19.4mm)

Tablet Weight

WiFi/Touch	*WiFi/Digitizer*	*WWAN/Touch*	*WWAN/Digitizer*	*SmartCard*
795g	822g	795g	822g	*855g*
1.75 lb	1.81 lb	1.75 lb	1.81 lb	1.88 lb

Keyboard weight
Ultrabook Pro Keyboard: 900g/1.98 lb
Ultrabook Keyboard: 560g/1.23 lb

Case color
Graphite black

Case material
PC/ABS (Acrylonitrile-Butadiene-Styrene), and Aluminum

Multicard reader
Support micro SD (2G max), micro SDHC (32G max), micro SDXC (64G max)

Tablet ports
One USB 3.0 (one Always On), micro HDMI, micro SD, Micro SIM, Dock connector

Camera
Front camera: 2.0-megapixel, 1080p resolution, fixed focus
Rear camera: 5.0-megapixel, 1080p resolution, auto focus

Audio support
HD Audio, Realtek® ALC286-VC codec, stereo speakers, 0.7W x 2 / three microphones, combo audio/mic jack

Control buttons
Windows button, Power button, volume button, rotation lock switch, reset switch

Keyboard *(optional)*
Pro: Ultrabook Pro Keyboard, (Battery keyboard)6-row, TrackPoint® pointing device, MultiTouch with 3+2 buttons click pad, security keyhole, one USB 3.0, one Mini DisplayPort, integrated 4-cell battery (Li-Polymer, 26Wh), 36-watt AC adapter can charge both the Tablet battery and Keyboard battery, pen holder, backlight
Non-pro: Ultrabook Keyboard, (Mechanical keyboard) 6-row, touchpad w/ 2 integrated buttons, one USB 2.0, pen holder
Folio: Folio Keyboard, thin keyboard, no ports, pen holder

Security
Power-on password, hard disk password, supervisor password, security keyhole

Security chip *(optional)*
TPM1.2: Trusted Platform Module, TCG 1.2-compliant
Intel PTT: Intel Platform Trust Technology

vPro
Optional: Intel vPro Technology

Fingerprint reader
Fingerprint reader

NFC
Optional: Near Field Communication

Smart Cover
Optional: Quickshot cover

Tablet battery
Integrated Li-Polymer 2-cell (35Wh)

Keyboard battery
Li-Polymer 4-cell (26Wh)

Battery - life

Battery configuration	*2-cell*	*2-cell + 4-cell*
Battery life	8 hr	12 hr

AC adapter
36-watt AC adapter

Preload
Some: Windows 8.1 64-bit
Some: Windows 8.1 Pro 64-bit
- Lenovo Support
- Lenovo Companion
- ThinkVantage System Update
- Lenovo Reach
- Hightail - Metro
- Amazon Kindle
- Nitro Pro
- Evernote
- Skype
- Rara Streaming
- Norton Studio
- Microsoft Office preloaded; purchase a product key to activate
- Norton Internet Security (30 days of virus definitions)

Limited warranty
One of the following, configurable by model:
- 1-year - depot repair service / service upgrades available
- 3-year - depot repair service / service upgrades available

Environment
EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant

See footnotes for more detailed information

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